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August 30, 2017

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Power Plant Performance
Report
Docket No. 2006-224-E**

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is the Monthly Power Plant Performance Report in Docket No. 2006-224-E for the month of July 2017.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803.988.7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

**Duke Energy Progress
Base Load Power Plant Performance Review Plan**

Period: July, 2017

Station	Unit	Date of Outage	Duration of Outage	Scheduled / Unscheduled	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
Brunswick	1	None					
	2	None					
Harris	1	None					
Robinson	2	None					

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
July 2017**

Lee Energy Complex

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
1C	7/29/2017 11:06:00 AM To 7/31/2017 7:31:00 AM	Sch	5039	Other compressor problems	Hot gas leak on flange at disc cavity 2.	

Richmond County Station

No Outages at Baseload Units During the Month.

Sutton Energy Complex

No Outages at Baseload Units During the Month.

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Base Load Power Plant Performance Review Plan**

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**July 2017
Brunswick Nuclear Station**

	<u>Unit 1</u>	<u>Unit 2</u>		
(A) MDC (mW)	938	932		
(B) Period Hours	744	744		
(C) Net Gen (mWh) and Capacity Factor (%)	701,349	100.50	682,177	98.38
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	129	0.02	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-3,606	-0.52	11,231	1.62
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	697,872	100.00%	693,408	100.00%
(K) Equivalent Availability (%)		99.98		99.83
(L) Output Factor (%)		100.50		98.38
(M) Heat Rate (BTU/NkWh)		10,573		10,895

* Estimate
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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July 2017
Harris Nuclear Station

Unit 1

(A) MDC (mW)	928	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	698,805	101.21
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-8,373	-1.21
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	690,432	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		101.21
(M) Heat Rate (BTU/NkWh)		10,687

* Estimate

FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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July 2017
Robinson Nuclear Station

Unit 2

(A) MDC (mW)	741	
(B) Period Hours	744	
(C) Net Gen (mWh) and Capacity Factor (%)	555,753	100.81
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-4,449	-0.81
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	551,304	100.00%
(K) Equivalent Availability (%)		100.00
(L) Output Factor (%)		100.81
(M) Heat Rate (BTU/NkWh)		10,641

* Estimate

FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
July 2017**

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	223	222	223	379	1,047
(B) Period Hrs	744	744	744	744	744
(C) Net Generation (mWh)	124,053	125,128	118,090	262,007	629,278
(D) Capacity Factor (%)	74.77	75.76	71.18	92.92	80.78
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	9,905	0	9,905
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	5.97	0.00	1.27
(G) Net mWh Not Generated due to Partial Scheduled Outages	39,432	38,688	37,078	5,867	121,065
(H) Scheduled Derates: percent of Period Hrs	23.77	23.42	22.35	2.08	15.54
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	2,427	1,352	839	14,102	18,720
(N) Economic Dispatch: percent of Period Hrs	1.46	0.82	0.51	5.00	2.40
(O) Net mWh Possible in Period	165,912	165,168	165,912	281,976	778,968
(P) Equivalent Availability (%)	76.23	76.58	71.68	97.92	83.19
(Q) Output Factor (%)	74.77	75.76	75.70	92.92	81.82
(R) Heat Rate (BTU/NkWh)	8,903	8,890	8,850	5,036	7,280

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
July 2017**

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	189	189	175	553
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	108,972	108,016	128,836	345,824
(D) Capacity Factor (%)	77.50	76.82	98.95	84.05
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	26,040	26,784	4,464	57,288
(H) Scheduled Derates: percent of Period Hrs	18.52	19.05	3.43	13.92
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	5,604	5,816	0	11,420
(N) Economic Dispatch: percent of Period Hrs	3.99	4.14	0.00	2.78
(O) Net mWh Possible in Period	140,616	140,616	130,200	411,432
(P) Equivalent Availability (%)	81.48	80.95	96.57	86.08
(Q) Output Factor (%)	77.50	76.82	98.95	84.05
(R) Heat Rate (BTU/NkWh)	11,902	11,632	0	7,383

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- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
July 2017**

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	214	214	248	676
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	126,496	126,850	185,384	438,730
(D) Capacity Factor (%)	79.45	79.67	100.47	87.23
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	29,760	29,016	0	58,776
(H) Scheduled Derates: percent of Period Hrs	18.69	18.22	0.00	11.69
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	2,960	3,350	0	6,310
(N) Economic Dispatch: percent of Period Hrs	1.86	2.10	0.00	1.25
(O) Net mWh Possible in Period	159,216	159,216	184,512	502,944
(P) Equivalent Availability (%)	81.31	81.78	100.00	88.31
(Q) Output Factor (%)	79.45	79.67	100.47	87.23
(R) Heat Rate (BTU/NkWh)	11,749	11,623	0	6,748

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- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
July 2017**

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	225	225	267	717
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	125,387	125,287	164,923	415,597
(D) Capacity Factor (%)	74.90	74.84	83.02	77.91
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	40,920	40,176	744	81,840
(H) Scheduled Derates: percent of Period Hrs	24.44	24.00	0.37	15.34
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	1,093	1,937	32,981	36,011
(N) Economic Dispatch: percent of Period Hrs	0.65	1.16	16.60	6.75
(O) Net mWh Possible in Period	167,400	167,400	198,648	533,448
(P) Equivalent Availability (%)	75.56	76.00	99.63	84.66
(Q) Output Factor (%)	74.90	74.84	83.02	77.91
(R) Heat Rate (BTU/NkWh)	11,810	11,755	0	7,107

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

**Duke Energy Progress
Intermediate Power Plant Performance
Review Plan
July 2017**

Mayo Station

Unit 1

(A) MDC (mW)	746
(B) Period Hrs	744
(C) Net Generation (mWh)	265,049
(D) Net mWh Possible in Period	555,024
(E) Equivalent Availability (%)	93.57
(F) Output Factor (%)	47.75
(G) Capacity Factor (%)	47.75

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Intermediate Power Plant Performance
Review Plan
July 2017**

	Roxboro Station		
	Unit 2	Unit 3	Unit 4
(A) MDC (mW)	673	698	711
(B) Period Hrs	744	744	744
(C) Net Generation (mWh)	291,858	274,555	333,663
(D) Net mWh Possible in Period	500,712	519,312	528,984
(E) Equivalent Availability (%)	99.70	90.12	93.46
(F) Output Factor (%)	62.59	57.81	64.64
(G) Capacity Factor (%)	58.29	52.87	63.08

Notes:

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**Duke Energy Progress
Base Load Power Plant Performance Review Plan**

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**August 2016 - July 2017
Brunswick Nuclear Station**

	<u>Unit 1</u>	<u>Unit 2</u>		
(A) MDC (mW)	938	932		
(B) Period Hours	8760	8760		
(C) Net Gen (mWh) and Capacity Factor (%)	8,140,832	99.07	7,137,476	87.42
(D) Net mWh Not Gen due to Full Schedule Outages	70,647	0.86	691,653	8.47
* (E) Net mWh Not Gen due to Partial Scheduled Outages	52,545	0.64	217,076	2.66
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-47,144	-0.57	118,115	1.45
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	8,216,880	100.00%	8,164,320	100.00%
(K) Equivalent Availability (%)		97.78		90.20
(L) Output Factor (%)		99.93		95.51
(M) Heat Rate (BTU/NkWh)		10,423		10,819

* Estimate
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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August 2016 - July 2017
Harris Nuclear Station

Unit 1

(A) MDC (mW)	928	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	7,504,045	92.31
(D) Net mWh Not Gen due to Full Schedule Outages	534,528	6.58
* (E) Net mWh Not Gen due to Partial Scheduled Outages	50,574	0.62
(F) Net mWh Not Gen due to Full Forced Outages	229,432	2.82
* (G) Net mWh Not Gen due to Partial Forced Outages	-189,299	-2.33
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	8,129,280	100.00%
(K) Equivalent Availability (%)		90.25
(L) Output Factor (%)		101.88
(M) Heat Rate (BTU/NkWh)		10,497

* Estimate

FOOTNOTE: D and F Include Ramping Losses

Duke Energy Progress
Base Load Power Plant Performance Review Plan

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August 2016 - July 2017
Robinson Nuclear Station

Unit 2

(A) MDC (mW)	741	
(B) Period Hours	8760	
(C) Net Gen (mWh) and Capacity Factor (%)	5,590,737	86.13
(D) Net mWh Not Gen due to Full Schedule Outages	904,402	13.93
* (E) Net mWh Not Gen due to Partial Scheduled Outages	1,240	0.02
(F) Net mWh Not Gen due to Full Forced Outages	97,281	1.50
* (G) Net mWh Not Gen due to Partial Forced Outages	-102,500	-1.58
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00
* (I) Core Conservation	0	0.00
(J) Net mWh Possible in Period	6,491,160	100.00%
(K) Equivalent Availability (%)		84.15
(L) Output Factor (%)		101.84
(M) Heat Rate (BTU/NkWh)		10,511

* Estimate

FOOTNOTE: D and F Include Ramping Losses

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August, 2016 through July, 2017**

Lee Energy Complex

	Unit 1A	Unit 1B	Unit 1C	Unit ST1	Block Total
(A) MDC (mW)	212	211	212	379	1,013
(B) Period Hrs	8,760	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,304,406	1,284,438	1,289,105	2,394,769	6,272,718
(D) Capacity Factor (%)	70.44	69.69	69.44	72.18	70.72
(E) Net mWh Not Generated due to Full Scheduled Outages	199,301	165,449	195,161	208,770	768,681
(F) Scheduled Outages: percent of Period Hrs	10.76	8.98	10.51	6.29	8.67
(G) Net mWh Not Generated due to Partial Scheduled Outages	151,979	145,581	148,905	135,114	581,579
(H) Scheduled Derates: percent of Period Hrs	8.21	7.90	8.02	4.07	6.56
(I) Net mWh Not Generated due to Full Forced Outages	6,099	317	9,935	259,811	276,161
(J) Forced Outages: percent of Period Hrs	0.33	0.02	0.54	7.83	3.11
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	18,502	18,502
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.56	0.21
(M) Net mWh Not Generated due to Economic Dispatch	190,126	247,368	213,222	300,867	951,584
(N) Economic Dispatch: percent of Period Hrs	10.27	13.42	11.49	9.07	10.73
(O) Net mWh Possible in Period	1,851,912	1,843,152	1,856,328	3,317,832	8,869,224
(P) Equivalent Availability (%)	79.94	83.82	81.72	81.24	81.45
(Q) Output Factor (%)	80.22	82.30	81.82	84.05	82.41
(R) Heat Rate (BTU/NkWh)	9,485	9,517	9,447	3,772	7,303

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- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August, 2016 through July, 2017**

Richmond County Station

	Unit 7	Unit 8	Unit ST4	Block Total
(A) MDC (mW)	182	181	173	535
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	984,880	967,473	1,125,282	3,077,635
(D) Capacity Factor (%)	61.88	61.04	74.48	65.66
(E) Net mWh Not Generated due to Full Scheduled Outages	386,299	385,512	385,399	1,157,210
(F) Scheduled Outages: percent of Period Hrs	24.27	24.32	25.51	24.69
(G) Net mWh Not Generated due to Partial Scheduled Outages	96,753	98,043	16,551	211,346
(H) Scheduled Derates: percent of Period Hrs	6.08	6.19	1.10	4.51
(I) Net mWh Not Generated due to Full Forced Outages	632	8,678	0	9,311
(J) Forced Outages: percent of Period Hrs	0.04	0.55	0.00	0.20
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	4,941	4,941
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.33	0.11
(M) Net mWh Not Generated due to Economic Dispatch	123,044	125,278	0	227,069
(N) Economic Dispatch: percent of Period Hrs	7.73	7.90	0.00	4.84
(O) Net mWh Possible in Period	1,591,608	1,584,984	1,510,920	4,687,512
(P) Equivalent Availability (%)	68.60	67.86	72.65	70.50
(Q) Output Factor (%)	81.97	81.59	100.16	87.66
(R) Heat Rate (BTU/NkWh)	11,506	11,364	0	7,254

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- (R) Includes Light Off BTU's

**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August, 2016 through July, 2017**

Richmond County Station

	Unit 9	Unit 10	Unit ST5	Block Total
(A) MDC (mW)	205	205	248	658
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,357,436	1,373,383	1,833,609	4,564,428
(D) Capacity Factor (%)	75.62	76.51	84.34	79.18
(E) Net mWh Not Generated due to Full Scheduled Outages	196,305	194,204	224,104	614,612
(F) Scheduled Outages: percent of Period Hrs	10.94	10.82	10.31	10.66
(G) Net mWh Not Generated due to Partial Scheduled Outages	108,718	106,571	22,233	237,522
(H) Scheduled Derates: percent of Period Hrs	6.06	5.94	1.02	4.12
(I) Net mWh Not Generated due to Full Forced Outages	5,165	3,667	446	9,277
(J) Forced Outages: percent of Period Hrs	0.29	0.20	0.02	0.16
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	127,529	117,328	93,573	338,430
(N) Economic Dispatch: percent of Period Hrs	7.10	6.54	4.30	5.87
(O) Net mWh Possible in Period	1,795,152	1,795,152	2,173,966	5,764,270
(P) Equivalent Availability (%)	82.37	82.60	88.68	85.06
(Q) Output Factor (%)	85.92	86.05	94.39	89.17
(R) Heat Rate (BTU/NkWh)	11,482	11,386	0	6,841

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**Duke Energy Progress
Base Load Power Plant
Performance Review Plan
August, 2016 through July, 2017**

Sutton Energy Complex

	Unit 1A	Unit 1B	Unit ST1	Block Total
(A) MDC (mW)	214	214	266	693
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,395,590	1,423,464	1,715,083	4,534,137
(D) Capacity Factor (%)	74.65	76.14	73.54	74.68
(E) Net mWh Not Generated due to Full Scheduled Outages	98,850	81,163	126,095	306,108
(F) Scheduled Outages: percent of Period Hrs	5.29	4.34	5.41	5.04
(G) Net mWh Not Generated due to Partial Scheduled Outages	151,614	148,656	34,184	334,454
(H) Scheduled Derates: percent of Period Hrs	8.11	7.95	1.47	5.51
(I) Net mWh Not Generated due to Full Forced Outages	2,797	3,176	2,474	8,448
(J) Forced Outages: percent of Period Hrs	0.15	0.17	0.11	0.14
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	3,046	3,046
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.13	0.05
(M) Net mWh Not Generated due to Economic Dispatch	220,581	212,972	451,413	884,967
(N) Economic Dispatch: percent of Period Hrs	11.80	11.39	19.35	14.58
(O) Net mWh Possible in Period	1,869,432	1,869,432	2,332,296	6,071,160
(P) Equivalent Availability (%)	87.08	88.17	92.91	89.26
(Q) Output Factor (%)	81.33	81.71	78.11	80.19
(R) Heat Rate (BTU/NkWh)	11,399	11,306	0	7,058

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

**Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
August, 2016 through July, 2017**

Mayo Station

Units	Unit 1
(A) MDC (mW)	741
(B) Period Hrs	8,760
(C) Net Generation (mWh)	1,874,396
(D) Net mWh Possible in Period	6,493,008
(E) Equivalent Availability (%)	87.13
(F) Output Factor (%)	51.59
(G) Capacity Factor (%)	28.87

Notes:

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**Duke Energy Progress
Intermediate Power Plant
Performance Review Plan
August, 2016 through July, 2017**

Roxboro Station

Units	Unit 2	Unit 3	Unit 4
(A) MDC (mW)	673	696	708
(B) Period Hrs	8,760	8,760	8,760
(C) Net Generation (mWh)	2,009,226	2,210,845	1,590,580
(D) Net mWh Possible in Period	5,891,064	6,099,024	6,199,656
(E) Equivalent Availability (%)	96.21	89.95	73.37
(F) Output Factor (%)	67.64	60.29	68.17
(G) Capacity Factor (%)	34.11	36.25	25.66

Notes:

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Duke Energy Progress
Outages for 100 mW or Larger Units
July, 2017

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<u>Unit Name</u>	<u>Capacity Rating (mW)</u>	<u>Full Outage Hours</u>		<u>Total</u>
		<u>Scheduled</u>	<u>Unscheduled</u>	
Brunswick 1	938	0.00	0.00	0.00
Brunswick 2	932	0.00	0.00	0.00
Harris 1	928	0.00	0.00	0.00
Robinson 2	741	0.00	0.00	0.00

Duke Energy Progress
Outages for 100 mW or Larger Units
July 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Asheville Steam 1	192	0.00	0.00	0.00
Asheville Steam 2	192	0.00	0.00	0.00
Asheville CT 3	185	0.00	0.00	0.00
Asheville CT 4	185	2.90	0.00	2.90
Darlington CT 12	133	0.00	731.00	731.00
Darlington CT 13	133	0.00	0.00	0.00
Lee Energy Complex CC 1A	223	0.00	0.00	0.00
Lee Energy Complex CC 1B	222	0.00	0.00	0.00
Lee Energy Complex CC 1C	223	44.42	0.00	44.42
Lee Energy Complex CC ST1	379	0.00	0.00	0.00
Mayo Steam 1	746	0.00	0.00	0.00
Richmond County CC 1	183	0.00	0.00	0.00
Richmond County CC 2	183	0.00	1.12	1.12
Richmond County CC 3	185	0.00	0.00	0.00
Richmond County CC 4	186	0.00	0.00	0.00
Richmond County CC 6	179	0.00	0.00	0.00
Richmond County CC 7	189	0.00	0.00	0.00
Richmond County CC 8	189	0.00	0.00	0.00
Richmond County CC ST4	175	0.00	0.00	0.00
Richmond County CC 9	214	0.00	0.00	0.00
Richmond County CC 10	214	0.00	0.00	0.00
Richmond County CC ST5	248	0.00	0.00	0.00

Notes:

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Duke Energy Progress
Outages for 100 mW or Larger Units
July 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Roxboro Steam 1	380	0.00	0.00	0.00
Roxboro Steam 2	673	0.00	0.00	0.00
Roxboro Steam 3	698	63.57	0.00	63.57
Roxboro Steam 4	711	18.00	0.00	18.00
Sutton Energy Complex CC 1A	225	0.00	0.00	0.00
Sutton Energy Complex CC 1B	225	0.00	0.00	0.00
Sutton Energy Complex CC ST1	267	0.00	0.00	0.00
Wayne County CT 10	192	0.00	21.50	21.50
Wayne County CT 11	192	0.00	2.00	2.00
Wayne County CT 12	193	0.00	0.00	0.00
Wayne County CT 13	185	0.00	4.00	4.00
Wayne County CT 14	197	0.00	0.00	0.00

Notes:

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